

Docket No. 221158US2PCT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Yasutaka ITO, et al.

SERIAL NO: 10/088,098

GAU: 3742

FILED: May 30, 2002

EXAMINER: S. Fuqua

FOR: CERAMIC SUBSTRATE FOR SEMICONDUCTOR MANUFACTURE/INSPECTION APPARATUS, CERAMIC HEATER, ELECTROSTATIC CLAMPLESS HOLDER, AND SUBSTRATE FOR WAFER PROBER

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

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SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
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Gregory J. Maier

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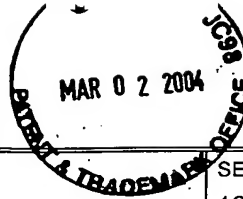
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 221158US2PCT		SERIAL NO. 10/088,098	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Yasutaka ITO, et al.			
				FILING DATE May 30, 2002		GROUP 3742	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,621,064	11/4/1986	MATSUURA ET AL.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AJ	6-157132 ✓	06/03/1994	JAPAN (w/ English Abstract)	XX		
	AK	58-218143 ✓	12/19/1983	JAPAN (w/ English Abstract)	XX		
	AL	EP 0 743 290 A1	11/20/1996	EUROPE (w/ English Translation of PCT Publication No. WO95/21139)			
	AM	EP 0 771 772 A2	05/07/1997	EUROPE (w/ English Abstract and corresponding English Translation of JP 10-72260)			
	AN	EP0798278	10/1/1997	EUROPE (w/ English Abstract only and corresponding U.S. Patent No. 6,001,760 and corresponding JP 9-315867-no translation)			
	AO	6 151332	05/31/1994	JAPAN (w/ English Abstract and full text translation)	XX		
	AP	5-330924	12/14/1993	JAPAN (w/ English Abstract and full English text translation)	XX		
	AQ	6-80473	3/22/1994	JAPAN (w/ English Abstract and full English text translation)	XX		
	AR	6-219844	08/09/1994	JAPAN (w/ English Abstract and full English text translation)	XX		
	AS	7-187620	07/25/1995	JAPAN (w/ English Abstract and full English text translation)	XX		
	AT	6-219848	08/09/1994	JAPAN (w/ English Abstract and full English text translation)	XX		
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	T. Fawcett, The American Ceramic Society Bulletin, Vol. 75, No. 10, pgs. 76-80, "Raw Materials Influence the Alpha-Particle Emission Rate of AlN", October 1996.					
	AX	Japanese w/ English translation of Experimental report (exhibit 4)					
	AY	Japanese w/ English translation of Experimental report (exhibit 5)					
	AZ	Japanese w/ English translation of Analysis and experimental report (exhibit 6)				<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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SHEET 2 OF 2

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

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SERIAL NO.

10/088,098

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Yasutaka ITO, et al.

FILING DATE

May 30, 2002

GROUP

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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

AAA	Japanese w/ English translation of Analysis and experimental report (exhibit 7)
AAB	Japanese w/ English translation of Ceramic Data Book (portion) page 68, 1993 (cited as exhibit 8)
AAC	Japanese w/ English translation of New Ceramics & Electronic Ceramics, Vol. 11, No. 9, pgs. 13-18, "New Ceramics" 1998
AAD	Japanese w/ English translation of Electric Materials, pgs 51-57, "Electrostatic chuck and its application", July 1996
AAE	Japanese w/ English translation of New Materials-Technology & Applications, Vol. 3, No. 4, pgs 51-53, April, 1992
AAF	Japanese w/ English translation of Electronic Ceramics , Vol. 22, No. 104, pgs 51-54, 1991
AAG	Japanese w/ English translation of Bulletin of the Ceramic Society of Japan, Vol. 26, No. 8, pgs. 733-737, "Ceramics", 1991
AAH	Japanese w/ English translation of Bulletin of the Ceramic Society of Japan, Vol. 29, No. 8, pgs 679-681, "Ceramics", 1994
AAI	Japanese w/ English translation of JFCA Fine Ceramics Catalogues, page 48, (Raw material, Secondary material, Material, Parts, Manufacturing/Processing device, Measurement/Evaluation device, Service), 1996
AAJ	Japanese w/ English translation of Journal of the Society of Powder Technology, Japan, Vol. 34, No. 8, pgs. 610-616, "Thus a powder is produced", 1997
AAK	Japanese w/ English translation of Fine Ceramics Report, Vol. 15, No. 10, pgs. 226-230, 1997
AAL	
AAM	
AAN	
AAO	
AAP	
AAQ	

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Examiner

Date Considered

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PROBER

**STATEMENT OF RELEVANCY**

AA- US 4,621,064 which was cited in the Office action of the  
US Patent Application No. 10/048,490 (O/FileIB240US)

AJ- Full text translation of JP H6-157132, which is cited in  
the notification of the rejection for JP Appl. H11-377207

AK- Full text translation of JP S58-218143, which is cited  
in the notification of rejection for JP Appl. H11-377207

AL- EP 0743290, which contains translation of W095/21139, cited  
in the written objection to JP Appl. H11-377207 by NGK as exhibit  
1.

AM- EP0771772, which contains translation of JP H10-72260,  
cited in the written objection to JP Appl. H11-377207 by NGK  
as exhibit 2.

AN- EP 0798278, which contains translation of JP H9-315867,  
cited in the written objection to JP Appl. H11-377207 by NGK  
as exhibit 2.

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AO- Full text translation of JP H6-151332, which is cited in the written objection to JP Appl. H11-377207 by Morita

AP- Full text translation of JP H5-330924, which is cited in the written objection to JP Appl. H11-377207 by Morita

AQ- Full text translation of JP H6-80473, which is cited in the written objection to JP Appl. H11-377207 by Morita

AR- Full text translation of JP H6-219844, which is cited in the written objection to JP Appl. H11-377207 by Morita

AS- Full text translation of JP H7-187620, which is cited in the written objection to JP Appl. H11-377207 by Morita

AT- Full text translation of JP H6-219848, which is cited in the written objection to JP Appl. H11-377207 by Morita

AW- 'Raw material influence the alpha-particle emission rate of AlN' which was submitted in the written opinion by Ibiden in opposition to the written objection to Japanese Patent Application H11-377207 (O/File:IB231, which is a basis of the priority right of the related PCT application, O/File:IB240W0, of this case) by NGK

AX- Translation of Experimental report (exhibit 4), cited in the written objection to JP Appl. H11-377207 by NGK with its explanation.

AY- Translation of Experimental report (exhibit 5), cited in the written objection to JP Appl. H11-377207 by NGK with its explanation.

AZ- Translation of Analysis and experimental report (exhibit 6) cited in the written objection to JP Appl. H11-377207 by NGK with its explanation.

AAA- Translation of Analysis and experimental report (exhibit 7 ) cited in the written objection to JP Appl . H11-377207 by NGK with its explanation.

AAB- Translation of Ceramic data book (portion) which is cited in the written objection by NGK

AAC- Translation of pages 13 to 18 of "Volume 11 Number 9 in 1998 of New ceramics" which is cited in the written objection to JP Appl. H11-377207 by Kyocera

AAD- Translation of pages 51 to 57 of "Electric materials (Electrostatic chuck and its application)issued in July,1996", which is cited in the written objection to JP Appl. H11-377207 by Kyocera

AAE- Translation of pages 51 to 53 of "Volume 3 Number 4 in 1992 of New Material", which is cited in the written objection to JP Appl. H11-377207 by Morita

AAF- Translation of pages 51 to 54 of "Volume 22 Number 104 in 1991 of Electronic ceramics", which is cited in the written objection to JP Appl. H11-377207 by Morita

AAG- Translation of pages 733-737 of "Volume 26 Number 8 in 1991 of ceramics", which is cited in the written objection to JP Appl. H11-377207 by Morita

AAH- Translation of pages 679-681 of "Volume 29 Number 8 in 1994 of ceramics", which is cited in the written objection to JP Appl. H11-377207 by Morita

AAI- Translation of "fine ceramics catalog '96", which is cited in the written objection to JP Appl. H11-377207 by Morita

AAJ- Translation of pages 610 to 616 of "Volume 34 Number 8 in 1997 of J. Soc. Powder Technol. Japan, Thus a powder is produced", which is cited in the written objection to JP Appl. H11-377207 by Morita

AAK- Translation of pages 226 to 230 of "Volume 15 Number 10 in 1997 of Fine ceramics report", which is cited in the written objection to JP Appl. H11-377207 by Morita